

SUMMARY OF MAJOR AGENCY CONCERNS

<u>AGENCY:</u>	Jefferson County Board of Commissioners
<u>CONCERNS:</u>	Stormwater runoff from the parking areas will be significant.
<u>MITIGATION:</u>	Detention ponds will be utilized for collection of stormwater runoff.
<u>AGENCY:</u>	Colorado State Highway Department
<u>CONCERNS:</u>	None
<u>AGENCY:</u>	United States Department of Agriculture, Soil Conservation Service
<u>CONCERNS:</u>	<ol style="list-style-type: none">1) Accelerated erosion in the natural drainage downstream of the project site; detention ponds do not fully mitigate this problem.2) Recommend use of the principles of Xeriscape landscaping.
<u>MITIGATION:</u>	<ol style="list-style-type: none">1) Grade-control structures have been incorporated into the design of the facilities and parking areas to minimize erosion. Additionally, a detailed erosion control plan will be formulated by the contractor prior to the start of construction.2) The landscape architect has extensively used Xeriscape landscaping in the design for this facility. Detailed vegetation surveys were conducted by the contractor and the landscape design incorporates primarily native plant species.
<u>AGENCY:</u>	United States Department of the Interior, Fish and Wildlife Service
<u>CONCERNS:</u>	<ol style="list-style-type: none">1) Potential habitat for black-footed ferret, bald eagle, peregrine falcon, and eskimo curlew, which are threatened or endangered species.2) Potential habitat for northern leopard frog, southwestern willow, long-billed curlew, plains topminow, bell's twinpod, Weber monkey-flower, and Diluvium lady's tresses; all are candidates for threatened or endangered species.3) Wetlands are critical due to their high value for fish, wildlife, and

rare plants.

MITIGATION:

- 1) None of the species of concern were identified during wildlife surveys conducted at the proposed site.
- 2) None of the species of concern were identified during wildlife and vegetation surveys at the proposed site.
- 3) Although some wetlands-type vegetation has been noted in drainages near the site, the proposed action will result in minimal impacts to this type of vegetation. All disturbed areas will be revegetated with native plant species.

AGENCY:

State of Colorado, Division of Wildlife

CONCERNS:

None.

AGENCY:

United States Environmental Protection Agency

CONCERNS:

- 1) Water quality impacts from parking lot runoff and construction activities. Of special concern are the petroleum products and road salt control from rain/melting snow runoff from the parking area.
- 2) Impacts from pesticide, fungicide, and fertilizer application on landscaped areas.
- 3) Impacts and mitigation measures from probable construction and operation. Riparian and wetland vegetation impacts are of special concern.

MITIGATION:

- 1) Detention ponds will contain parking lot runoff. A minimal amount of salt will be mixed with sand for ice control.
- 2) Fertilizer and herbicide usage is minimal, as use is primarily restricted to weed control along walkways and in landscaped areas.
- 3) Wetlands vegetation impacts due to construction of this facility will be minimal. Impacts to wetlands vegetation will occur primarily during installation of the box culvert on the service road, and during installation of conduit for utility service extensions from the FTLB. All disturbed areas will be re-vegetated with native plant species.

AGENCY:

Department of the Army, Corps of Engineers

CONCERNS: Although a Department of the Army permit will not be required, this does not eliminate the requirement that other applicable federal, state, and local permits be obtained as required.

MITIGATION: All applicable federal, state, and local permits have been addressed by NREL's Environmental Section.

AGENCY: Colorado Geological Survey, Department of Natural Resources

CONCERNS: Slope stability and swelling soils, flood potential, and management of surface and groundwater.

MITIGATION: The design of the facilities minimizes the cut and fill to minimize the impact to soils. Location away from steep slopes reduces the threat of rockfalls or landslides. Special engineering design precautions have been incorporated to accommodate high shrink-swell, low strength low permeability of the soils. Land surface disturbance is well isolated from groundwater sources. Erosion control measures have been designed to minimize the effects of surface runoff.

AGENCY: Colorado Historical Society

CONCERNS: None.

AGENCY: Jefferson County Sheriff

CONCERNS: None.

AGENCY: City of Golden

CONCERNS: None.

AGENCY: Colorado State Forest Service, Golden District

CONCERNS: If the proposed project includes extension of the road out to Quaker Street, a portion of their experimental nursery would be destroyed.

MITIGATION: This project does not include the extension of any roadway out to Quaker Street; therefore, there would be no impact to the tree nursery.

AGENCY: State of Colorado, Division of Parks and Outdoor Recreation

CONCERNS: Landscaping and restoration of disturbed areas should include native plants wherever possible.

MITIGATION: Landscaping will include principles of Xeriscape, and will therefore use predominantly native species.

AGENCY: State of Colorado, Division of Water Resources

CONCERNS: None.

AGENCY: Pleasant View Water and Sanitation District

CONCERNS: None.

AGENCY: Lakewood-Bancroft Fire Authority

CONCERNS: None.

AGENCY: Consolidated Mutual Water Company

CONCERNS: None.

AGENCY: Jefferson County Public Works Division

CONCERNS: 1) Traffic congestion and air pollution.
2) Drainage and runoff.

MITIGATION: 1) No major street network improvements will be needed; however, there will be a need for improved signal controls for the I-70 ramp intersections. There will be no net increase in traffic volume, as this facility will result in relocation of personnel already working in the Denver West Office Park.
2) Grade control structures will be utilized to minimize erosion and runoff. Detention ponds will be utilized at the end of the parking areas to collect stormwater runoff.

AGENCY: Colorado Department of Health

CONCERNS: Waste reduction and pollution prevention practices should be built into the design.

MITIGATION: The proposed SERF is designed to be energy efficient and will have comprehensive waste management procedures as are now applied to Building 16 operations. Limited amounts of hazardous waste are accumulated annually at present and these amounts are not expected to increase in the proposed SERF (see Section 4.1).